

In the Specification:

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On page 5, line 14, please amend the description of Figures 6A and 6B as follows:

A1  
Figs. 6A and 6B are side views of the device seen in Fig. [[4 ]] 5 rotated by 90°.

On page 8, lines 7-27, please amend the paragraphs as follows:

A2  
In Fig. 4 of the drawings, there is illustrated [[a]] the pressure sensing device ~~170~~  
36 incorporated into the pump in accordance with the present invention, or other liquid  
adminstrating pumps, ~~and is suitable for placing within one of the cavities 46 or 48~~  
~~formed in the housing 12.~~ The sensor unit ~~170~~ 36 comprises a U-like receptacle 172  
dimensioned so as to comfortably accommodate tube 62, with ~~a suitable~~ the counter  
member ~~50~~ 55 closing the structure from above. A plunger 174 projects into the space  
176 confined within the U-like receptacle 172 through a suitable opening at a bottom wall  
thereof 178 and is associated with a pressure sensing gauge 180, e.g. a piezo-electric  
gauge, string gauge, etc., for detecting pressure applied thereto by the tube 62, depending  
on its internal pressure applied by the liquid flowing through its lumen.

The arrangement of the sensor ~~170~~ 36 ensures that local deformation of the tube is  
converted into terms of pressure without influence of overall deformation of the tube  
caused by the internal pressure of the liquid, this owing to the support walls of structure  
172 preventing undesired deformation of the tube.

Fig. 5 and 6 illustrate a sensor for detecting the presence of gas, typically air, flowing within the liquid carrying tube. The device (generally designated 190) is suitable for insertion within ~~one of the cavities 46 or 48~~ openings 37 of housing 12 and comprises a transmitter unit 192 having an arced transmitter plate 196 and a receiver unit 194 having an arced receiver plate 198, with the two plates 196 and 198 being oppositely arced with their apexes facing one another defining between them a sensing space 200 (Figs. 6A and 6B). In order to achieve sensing focus, the two plates 196 and 198 are preferably perpendicular to each other. Typically, the sensor is ultrasonic.

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